

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) An integrated circuit of a front-end type for receiving a high frequency signal, comprising:

an RF circuit including a variable gain amplifier;

a digital demodulating circuit including an amplification rate control circuit;

switching means for switching between (a) inputting an internal signal, as an amplification rate control signal, into the variable gain amplifier via an automatic gain control loop, the internal signal being outputted from the digital demodulating circuit and (b) directly inputting ~~a fixed value signals~~, as ~~another~~ additional amplification rate control signals, into the variable gain amplifier by opening the automatic gain control ~~loop~~, loop; wherein

the RF circuit and the digital demodulating circuit ~~being~~ are integrated in one package, and

the switching means ~~being~~ are switched over in accordance with a switching control signal, and

the fixed value signals are test-use control voltages supplied from outside the integrated circuit.

2. (Original) The integrated circuit as set forth in Claim 1, wherein:

the switching control signal is supplied from outside the integrated circuit.

3. (Original) The integrated circuit as set forth in Claim 1, further comprising:

switching control signal generating means for outputting the switching control signal.

4-7. (Canceled)

8. (Currently amended) ~~The~~ An integrated circuit as set forth in Claim 1, further of a front-end type for receiving a high frequency signal, comprising:

an RF circuit including a variable gain amplifier;

a digital demodulating circuit including an amplification rate control circuit;

switching means for switching between (a) inputting an internal signal, as an amplification rate control signal, into the variable gain amplifier via an automatic gain control loop, the internal signal being outputted from the digital demodulating circuit and (b) directly inputting fixed value signals, as additional amplification rate control signals, into the variable gain amplifier by opening the automatic gain control loop; and

a switching circuit for switching between, in accordance with an output draw-out switching control signal, (a) inputting a base band analog output to the digital demodulating circuit, and (b) outputting the base band analog output to outside via an inspection-use output terminal, the base band analog output being outputted from the RF circuit, wherein

the RF circuit and the digital demodulating circuit are integrated in one package,

and

the switching means are switched over in accordance with a switching control signal.

9. (Original) The integrated circuit as set forth in Claim 8, comprising:

a driving circuit between the switching circuit and the inspection-use output terminal.